

A METHOD AND SYSTEM FOR IMPLEMENTING SUPER-USER-COMPATIBLE
PRIVILEGES

ABSTRACT OF THE INVENTION

5 A system for implementing a super-user-compatible privilege security
policy on a computer operating system is disclosed. The system includes a
kernel for enforcing a security policy on processes, based on privileges. The
system also includes a privilege model that interfaces with the kernel and
implements a framework in which super-user based processes and privilege
10 based processes transparently interface with the kernel. The privilege model
includes several privilege sets associated with each process, a privilege
awareness property state associated with each process, the property state
indicating whether or not a process is privilege aware, and a software module
for automatically modifying the privilege sets and the property state, on a per
15 process basis, based on individual process behavior.

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